



SEQUENCE LISTING

<110> Bozzoni, Irene
Denti, Michela Alessandra
Rosa, Alessandro
Universita degli Studi di Roma "La Sapienza"

<120> siRNA expression system

<130> 2312.001US1

<140> US 10/564,020

<141> 2004-07-09

<150> PCT/IT04/000381

<151> 2004-07-09

<150> IT RM2003A000335

<151> 2003-07-09

<160> 29

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 11

<212> RNA

<213> Artificial Sequence

<220>

<223> A synthetic pre-siRNA 3' terminus

<400> 1

uuuaucccu g

11

<210> 2

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> A synthetic linker oligonucleotide

<400> 2

gatctggtac cctcgaggct agcggtaccg

30

<210> 3

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> A synthetic linker oligonucleotide

<400> 3

ctagcggtac cgctagcctc gaggtacca

30

<210> 4

<211> 98

<212> DNA

<213> Artificial Sequence

<220>
 <223> A synthetic oligonucleotide

 <400> 4
 gatctcatac agggcaattg gcagatcaag cgtttggtga gcgcttgatc tgccaattgc 60
 cctttatccc ctgactttct ggagtttcaa aagtagac 98

 <210> 5
 <211> 98
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

 <400> 5
 tcgagtctac ttttgaaact ccagaaagtc aggggataaa gggcaattgg cagatcaagc 60
 gctacacaaa cgcttgatct gccaattgcc ctgtatga 98

 <210> 6
 <211> 98
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

 <400> 6
 gatctcatac agggcaattg gcagatcaag cgtttggtga gcgcttgatc tgccaattgc 60
 cctttatccc ctgactttct ggagtttcaa aagtagac 98

 <210> 7
 <211> 98
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

 <400> 7
 tcgagtctac ttttgaaact ccagaaagtc aggggataaa gggcaattgg cagatcaagc 60
 gctacacaaa cgcttgatct gccaattgcc ctgtatga 98

 <210> 8
 <211> 84
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

 <400> 8
 gatctcgggc aattggcaga tcaagcgttt gtgtagcgct tgatctgcca attgccctta 60
 ctttctggag tttcaaaagt agac 84

 <210> 9
 <211> 84
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

<400> 9
 ctgagtctac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgctacacaa 60
 acgcttgatc tgccaattgc ccga 84

<210> 10
 <211> 113
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> A synthetic oligonucleotide

<400> 10
 gatctcgggc aattggcaga tcaagcggtt gacttcgcat gaatgagttc attcatgaag 60
 cgaaacgctt gatctgccaa ttgcccttac tttctggagt ttcaaaagta gag 113

<210> 11
 <211> 113
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> A synthetic oligonucleotide

<400> 11
 ctagctctac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgtttcgctt 60
 catgaatgaa ctcatctatg cgaagtcaaa cgcttgatct gcccaattgcc cga 113

<210> 12
 <211> 84
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> A synthetic oligonucleotide

<400> 12
 gatctcgggc aattgacaga tcaagcggtt gtgtagcgct tgatctcgca attgccctta 60
 ctttctggag tttcaaaagt agac 84

<210> 13
 <211> 84
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> A synthetic oligonucleotide

<400> 13
 ctgagtctac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgctacacaa 60
 acgcttgatc tcgcaattgc ccga 84

<210> 14
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> A synthetic probe

<400> 14
 ggcaattggc agatcaagcg 20

<210> 15
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic probe

 <400> 15
 ggcaattgcg agatcaagcg 20

 <210> 16
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic probe

 <400> 16
 cgcttgatct gccaattgcc 20

 <210> 17
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic box element

 <400> 17
 gtttcaaaag tagac 15

 <210> 18
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic terminator element

 <400> 18
 cccctrcttt ctggagtttc aaaagtagac 30

 <210> 19
 <211> 399
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

 <400> 19
 ggatccggta aggaccagct tctttgggag agaacagacg caggggcggg agggaaaaag 60
 ggagaggcag acgtcacttc cccttggcgg ctctggcagc agattggtcg gttgagtggc 120
 agaaaggcag acggggactg ggcaaggcac tgctcggtgac atcacggaca gggcgacttc 180
 tatgtagatg aggcagcgca gaggctgctg cttcgccact tgctgcttca ccacgaagga 240
 gttcccgtgc cctgggagcg ggttcaggac cgctgatcgg aagtgagaat cccagctgtg 300
 tgtcagggct ggaaagggct cgggagtgcg cggggcaagt gaccgtgtgt gtaaagagtg 360
 aggcgtatga ggctgtgtcg gggcagaggc ccaagatct 399

<210> 20
 <211> 108
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

 <400> 20
 gatctcatac agggcaattg gcagatcaag cgttgtgaag ccacagatga acgcttgatc 60
 tgccaattgc cttttatccc ctgactttct ggagtttcaa aagtagac 108

 <210> 21
 <211> 108
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

 <400> 21
 ctgagtctac ttttgaaact ccagaaagtc aggggataaa gggcaattgg cagatcaagc 60
 gttcatctgt ggcttcacaa cgcttgatct gcccaattgcc ctgtatga 108

 <210> 22
 <211> 84
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

 <400> 22
 gatctcgggc aattggcaga tcaagcgttt gtgtagcgct tgatctgcca attgccctta 60
 ctttctggag tttcaaaagt agac 84

 <210> 23
 <211> 84
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> A synthetic oligonucleotide

 <400> 23
 ctgagtctac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgctacacaa 60
 acgcttgatc tgccaattgc ccga 84

 <210> 24
 <211> 36
 <212> DNA
 <213> yeast sp.

 <400> 24
 tgacttcgca tgaatgagtt cattcatgaa gcgaaa 36

 <210> 25
 <211> 36
 <212> DNA
 <213> yeast sp.

<400> 25
 actgaagcgt acttactcaa gtaagtactt cgcttt 36

<210> 26
 <211> 77
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> A synthetic snRNA sequence

<400> 26
 auacagggca auuggcagau caagcguugu gaagccacag augaacgcuu gaucugccaa 60
 uugcccuua uccccug 77

<210> 27
 <211> 67
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> A synthetic snRNA sequence

<400> 27
 auacagggca auuggcagau caagcguuug uguagcgcuu gaucugccaa uugcccuua 60
 uccccug 67

<210> 28
 <211> 53
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> A synthetic snRNA sequence

<400> 28
 gggcaauugg cagaucaagc guuuguguag cgcuugaucu gccaaugcc cuu 53

<210> 29
 <211> 82
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> A synthetic snRNA sequence

<400> 29
 gggcaauugg cagaucaagc guuugacuuc gcaugauga guucauucuu gaagcgaaac 60
 gcuugaucug ccaauugccc uu 82